

CLASSIFICATION: Air Resources Engineer	Time Base: FT	SALARY: \$4,608 - \$8,379	FFD: 12/21/10
LOCATION: Sacramento		DIVISION: PTSD	
CONTACT: Carolyn Schneider Please indicate Position #673-743-3735-XXX on your application.		E-MAIL: cschneid@arb.ca.gov	PHONE: 916-322-7305
MAILING ADDRESS: Air Resources Board, Planning and Technical Support Division, 1001 "I" Street, 7 th Floor, Sacramento, CA 95814			
<p style="text-align: center;">Due to the Governor's Hiring Freeze Order, only internal Air Resources Board lateral candidates will be considered.</p> <p>DUTIES: The Regional Air Quality Modeling Section of the Planning and Technical Support Division has a vacancy in the air quality modeling program. We are seeking an Air Resources Engineer or Air Pollution Specialist who will be assigned some combination of the following types of responsibilities in the Board's modeling program, depending on the successful candidates' qualifications and experience: 1) conducting seasonal, annual, and multi-year photochemical ozone and particulate matter simulations for regulatory applications; 2) investigation of model performance evaluation metrics for long-term photochemical and prognostic/diagnostic meteorological simulations; 3) development of corroborative analysis methods to increase confidence in photochemical models; 4) participating in the research, testing, and adaptation of new photochemical formation mechanisms; 5) generally assessing and improving the inputs, methods, and supporting data used for photochemical modeling, including exercising the models to demonstrate the benefits of potential improvements; and 6) project coordination, reviewing contract deliverables, and managing contracts.</p> <p>The section provides regional modeling support for statewide regulatory and policy programs and requires close interaction and teamwork with a broad range of internal and external scientists, engineers, and policymakers. The section is comprised of engineers and scientists who use state-of-science computer models, computer systems, and application/development software. The Regional Air Quality Modeling Section: 1) performs state-of-the-science meteorological and air-quality modeling required for control strategy evaluations, transport assessment, and State Implementation Plan updates for all criteria pollutants and regional haze; 2) provides modeling support for all major field studies conducted in California; 3) conducts technical reviews of modeling results produced by other agencies and consultants; 4) provides technical consultations for other groups within ARB; and 5) serves as an ARB technical liaison for regional and national air-quality management organizations.</p>			
<p>DESIRABLE QUALIFICATIONS:</p> <p>The minimum qualifications include the following:</p> <p>An enthusiastic team player with strong interpersonal skills; strong written and oral communication skills; the ability to summarize the results and implications from complex technical analyses for all levels of management in an easily understood format; recent, hands-on programming experience; a demonstrated ability to learn and apply scientific principles and complex systems; and a sound knowledge of atmospheric chemistry and air pollution meteorology.</p> <p>Ideally, applicants will also have some of the following knowledge or experience:</p> <p>Thorough knowledge of gaseous and particle-phase atmospheric processes/chemistry; a postgraduate degree and journal publications involving photochemical ozone/aerosol modeling, prognostic meteorological modeling, or advanced data analysis methods; long-term, hands-on experience with FORTRAN, SAS, UNIX/Linux, UNIX shell scripting, Visual Basic, and/or C.</p> <p>Air Pollution Specialists are encouraged to apply. Applications will be screened and only the most competitive candidates will be interviewed. Applicants must reference position # 673-743-3735-xxx on the application, and include a copy of their final transcript(s) or degree(s) if needed to meet the minimum qualifications of the classification.</p>			